

# Internal Memo

To      Distribution      Date      December 14, 1977  
From    Frank Ludolph      Location    Palo Alto  
Subject    Alto Hardware Engineering Changes    Organization    XEOS

**XEROX**

Filed on: [XEOS]<Ludolph>EO>Intro.bravo

As requested at the October Whole Alto World meeting, I, as coordinator, am assuming responsibility for the distribution of Engineering Orders that apply to the Alto, its extensions, adapters, and peripherals. Questions about EOs, part numbers, and related matters may also be directed to this office.

Attached is a list of the current revision levels. It was created to establish a baseline for the distribution of future changes. If you require documentation of EOs at this or earlier levels please contact me. The list will be kept up to date and filed on [XEOS]<Ludolph>EO>Current.bravo.

Frank Ludolph  
Coordinator, Whole Alto World

Distribution: C. Anthony, J. Arnaud, J. Cucinitti, B. DeGrasse, W. Duvall, D. Green, R. Hunt, H. Pangle, D. Sonderegger, W. Winfield, H. Yeary, R. Yost

cc: Liz Bond, Terry Haney, Don Stewart, Doug Stewart

## CURRENT ALTO HARDWARE REVISION LEVELS

<u>LEVEL</u>	<u>DRAWING</u>	<u>DESCRIPTION</u>
ALTO	B	216305 BWB Assy
	C	216273 Mem Stg. Module
	B	216421 Terminator Module
	F	216381 Arithmetic Logic Unit
	D	216373 Control Board (1K)
	B	216484 Control Board (2K)
	F	216365 CRAM
	E	216389 Disk Control
	B	216577 Extender Board
	G	216347 Memory Address Interface
	E	216312 Memory Data Interface
	D	216339 Display Cont. Module
	D	216323 Ethernet Module
ALTO II XM	B	216645 Mem Address Int. Module
	C	216652 BWB Assy
	A	217115 Mem Data Interface Module
	A	216642 2K Control Module
	A	216695 1K Control Module
	B	216644 128K Mem Stg Module
DISPLAY	B	216646 Memory Expansion and Terminator
	E	209911 Display Assy
ETHERNET	B	209926 Ethernet transceiver
HY TYPE	C	216440 Hy Type Cable (External)
KEYBOARD	D	209972 Keyboard Assy
KEYSET	B	209962 Keyset
MOUSE	B	209920 Mouse Procurement Spec.
ORBIT	C	216500 ORBIT Control
	D	216492 ORBIT Input
	C	216518 ORBIT Memory
	C	216510 ORBIT Output
	A	216578 ORBIT Adapter Cable
TRIDENT	G	216468 TriCon Interface
	G	216621 TriCon Multiplexer
	C	216636 TriCon Multiplexer Cable (Internal)
	E	216480 TriCon Multiplexer Cable Radial (Ext)
	D	216542 TriCon Multiplexer Cable Radial (Ext)
	C	216483 TriCon Multiplexer Cable Bussed (Ext)
	B	216543 TriCon Multiplexer Cable Bussed (Ext)
TTL ROS ADAPTER	D	216554 Video Adapter
	D	216559 Command Adapter